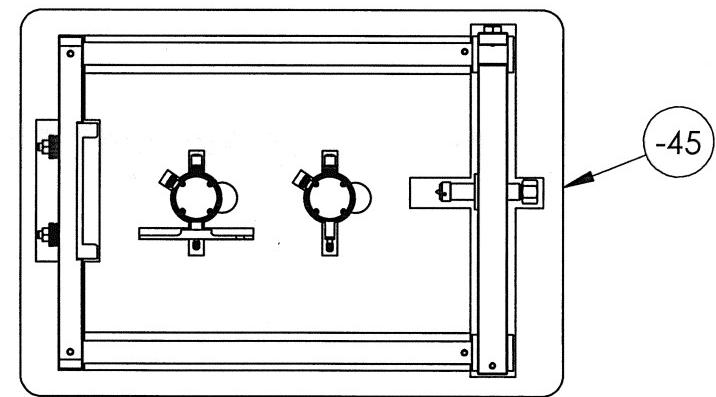
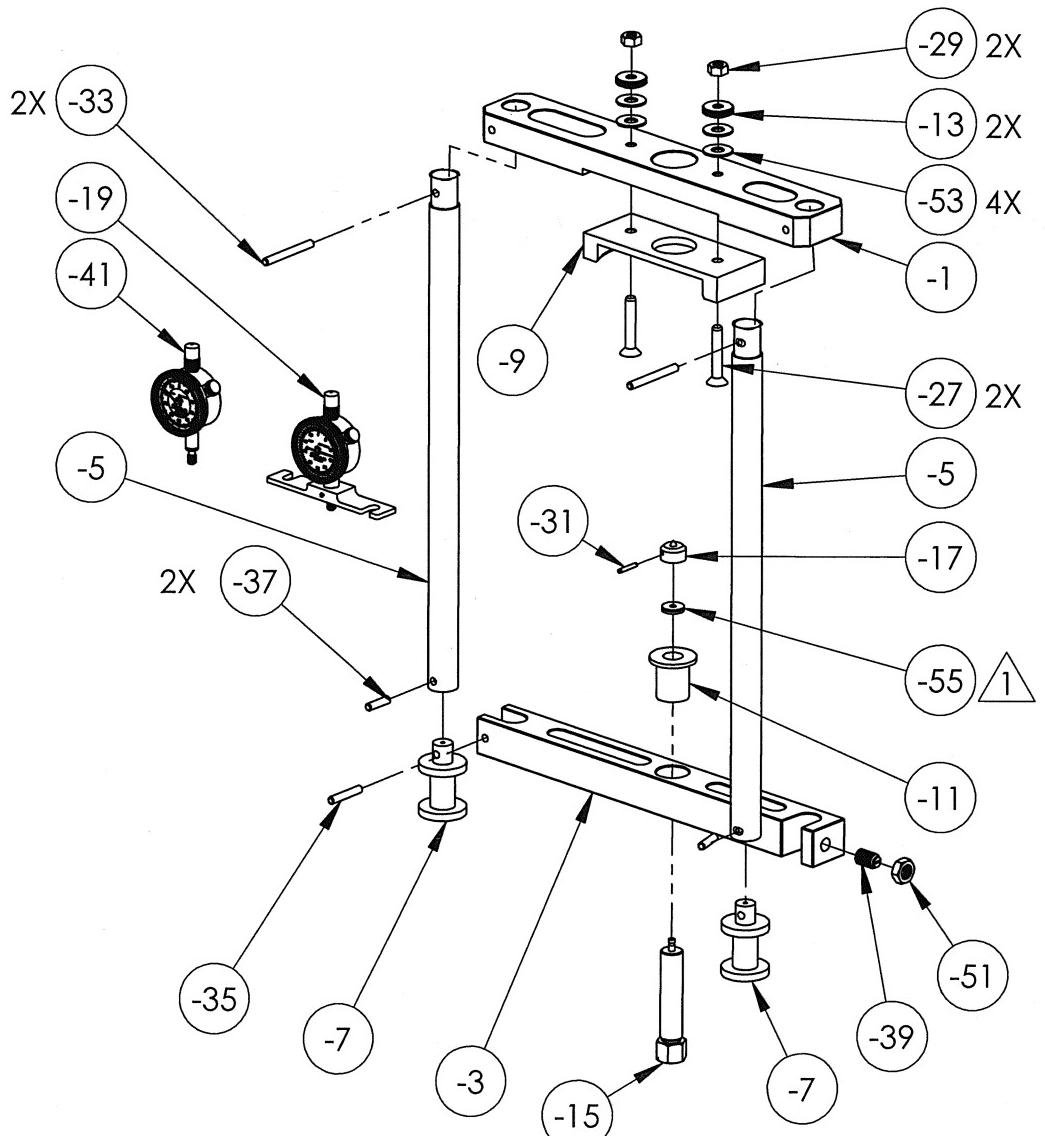


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
C	19-733	REMOVED ITEM -43 -3 DIM WAS 1/4-28 UNF - 2B ∇ .50 IS 3/8-24 UNF ∇ .75 -15 DIM WAS 3X .665 IS .665 HEX. ADDED 2X 30° AND 2X .03 DIMS -45 REMOVED CUTOUT FOR ITEM -43. MODIFIED CUTOUT LOCATIONS FOR ITEMS -19 AND -41. REMOVED ORDINATE DIMENSIONS FOR CUTOUTS	20/08/2019	KPT	<i>[Signature]</i>



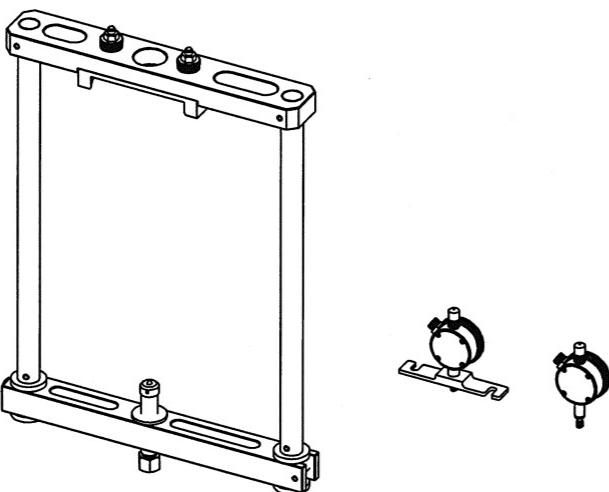
NOTE:

- 1 FOR THRUST BEARING -55 USE 1 WASHER ON -15 SIDE.

DART
AEROSPACE

TITLE	
M/R DAMPER TOOL KIT	
DWG NO. RBEL133M-6201-101 REV C	
MAT'L HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	
APPROVED:	<i>[Signature]</i>
SCALE	1:6
DATE	20/08/2019
USED ON MODEL	
EUROCOPTER	
SHEET 1 OF 14	

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ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	TOP RAIL	6061		3
			-3	1	BOTTOM RAIL	6061		4
			-5	2	ROD	6061		5
			-7	2	ROD END	6061		6
			-9	1	WEAR PAD	WHITE DELRIN/ACETAL		7
			-11	1	BUSHING	303 / 304		8
	B/O	-13	2	THUMB NUT	STEEL	1/4-20 (MCMASTER-CARR #92815A115)		1
			-15	1	FORCING SCREW	4140/4142		9
			-17	1	SCREW CAP	4140/4142		10
X	B/O	-19	1	DIAL INDICATOR ASSY.				11
1		-21	1	BASE	4140/4142			12
1	B/O	-23	1	SET SCREW	S.S SILVER TIP	6-32 X 1/8 (MCMASTER-CARR #99934A330)		11
1	B/O	-25	1	DIAL INDICATOR		(MOTION INDUSTRIES #81-231J W/FBS)		11
	B/O	-27	2	SCREW	STEEL	1/4-20 X 1-1/2 (MCMASTER-CARR #91263A564)		1
	B/O	-29	2	NUT	STEEL	1/4-20 (MCMASTER-CARR #94895A029)		1
	B/O	-31	1	SPRING PIN	STEEL	Ø1/16 X 5/8 (MCMASTER-CARR #90692A090)		1
	B/O	-33	2	DOWEL PIN	STEEL	3/16 X 1-3/4 (MCMASTER-CARR #98381A515)		1
	B/O	-35	1	DOWEL PIN	STEEL	3/16 X 1-1/8 (MCMASTER-CARR #98381A511)		1
	B/O	-37	2	DOWEL PIN	STEEL	3/16 X 3/4 (MCMASTER-CARR #98381A508)		1
	B/O	-39	1	BALL-NOSE SPRING PLUNGER	STEEL	3/8-24 X 5/8 (MCMASTER-CARR #3408A551)		1
	B/O	-41	1	DIAL INDICATOR		(MOTION INDUSTRIES #81-281J-8 W/FBS)		1
	B/O	-45	1	BOTTOM TOOL CUSHION	ETHAFOAM 220, BLACK	4.98 X 12.83 X 18.00 (CASE SOLUTIONS)		13
	B/O	-47	1	TOP TOOL CUSHION	ETHAFOAM 220, BLACK	1.79 X 12.77 X 17.94 (CASE SOLUTIONS)		14
	B/O	-49	1	CASE	PLASTIC	PELICAN #APP-1520-E	NS	DRAWN BY: KPT
	B/O	-51	1	THIN HEX NUT	STEEL	3/8-24 (MCMASTER-CARR #94846A515)	1	CHECKED: VM
	B/O	-53	4	WASHER	STEEL	Ø1/4 (MCMASTER-CARR #90108A413)	1	OPPS APPR:
	B/O	-55	1	THRUST BEARING		M14 OD MISUMI #BA0414	1	QA APPR:
ASSY -19								USED ON MODEL
								EUROCOPTER
							SCALE 1:6	DATE 20/08/2019
								SHEET 2 OF 14

DART
AEROSPACE

M/R DAMPER TOOL KIT

RBEL133M-6201-101

REV C

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± .5°

.X ± .1 SURFACES = 125/V

1. BREAK ALL SHARP EDGES

.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY

AFTER PLATING

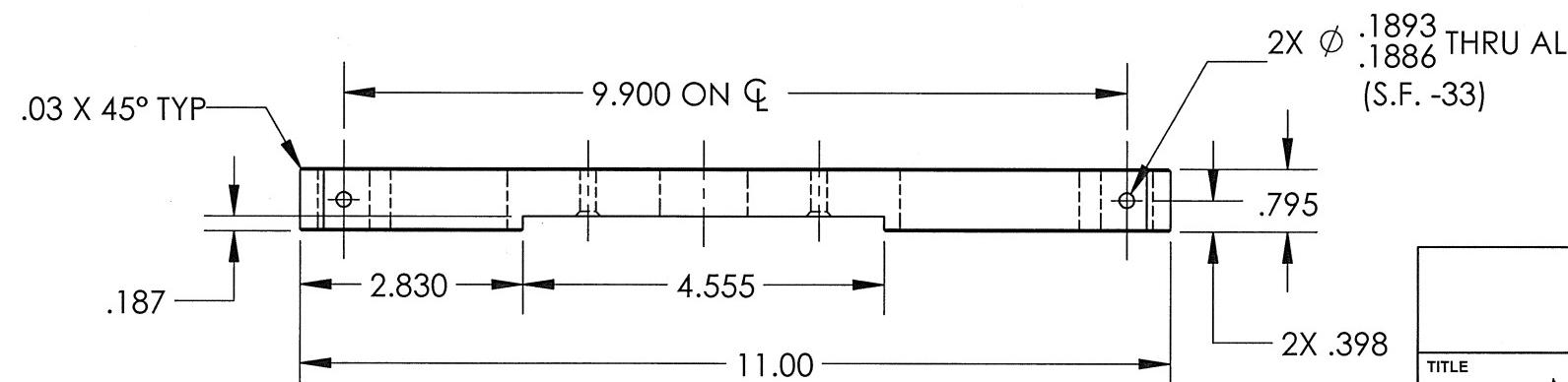
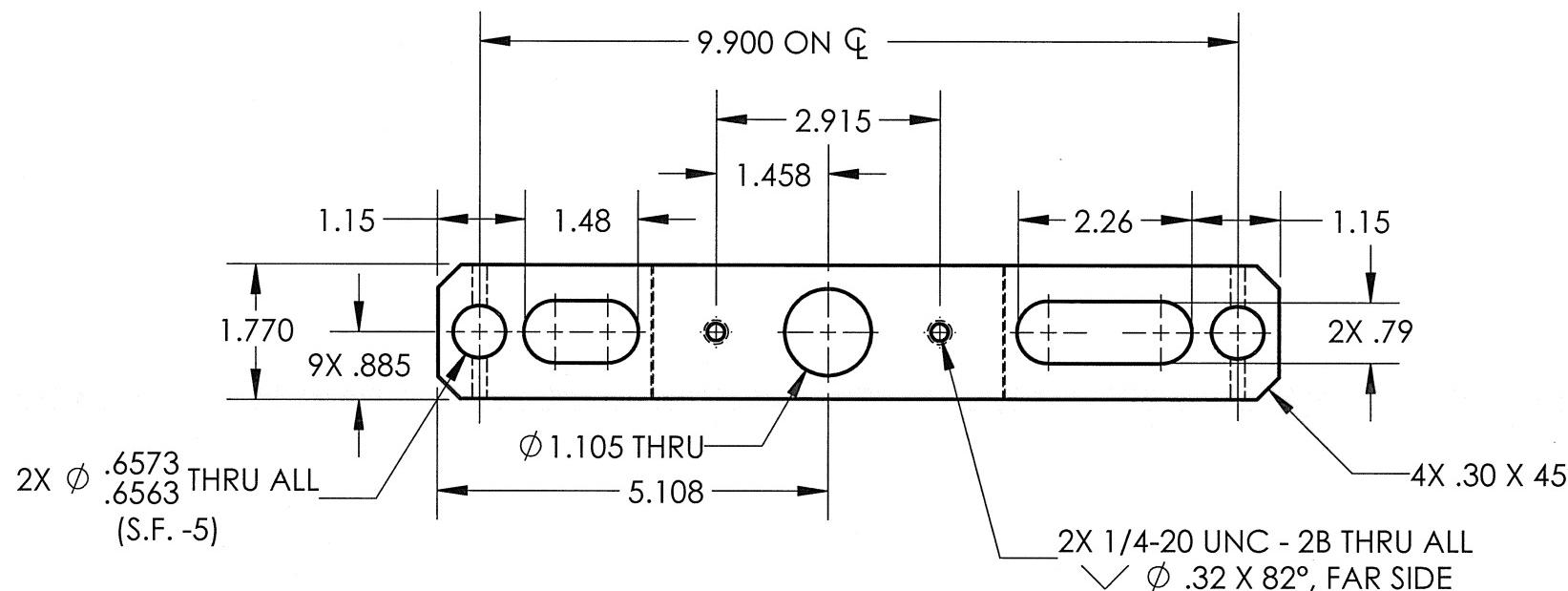
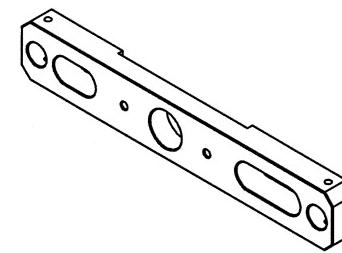
3. INTERPRET DIM AND TOL PER

ASME Y14.5M-2009

USED ON MODEL

EUROCOPTER

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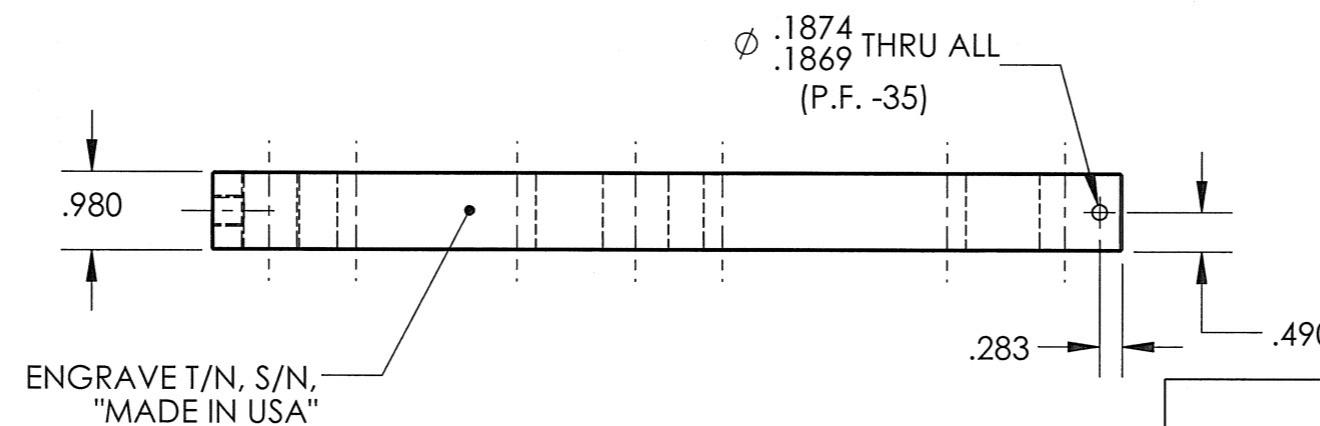
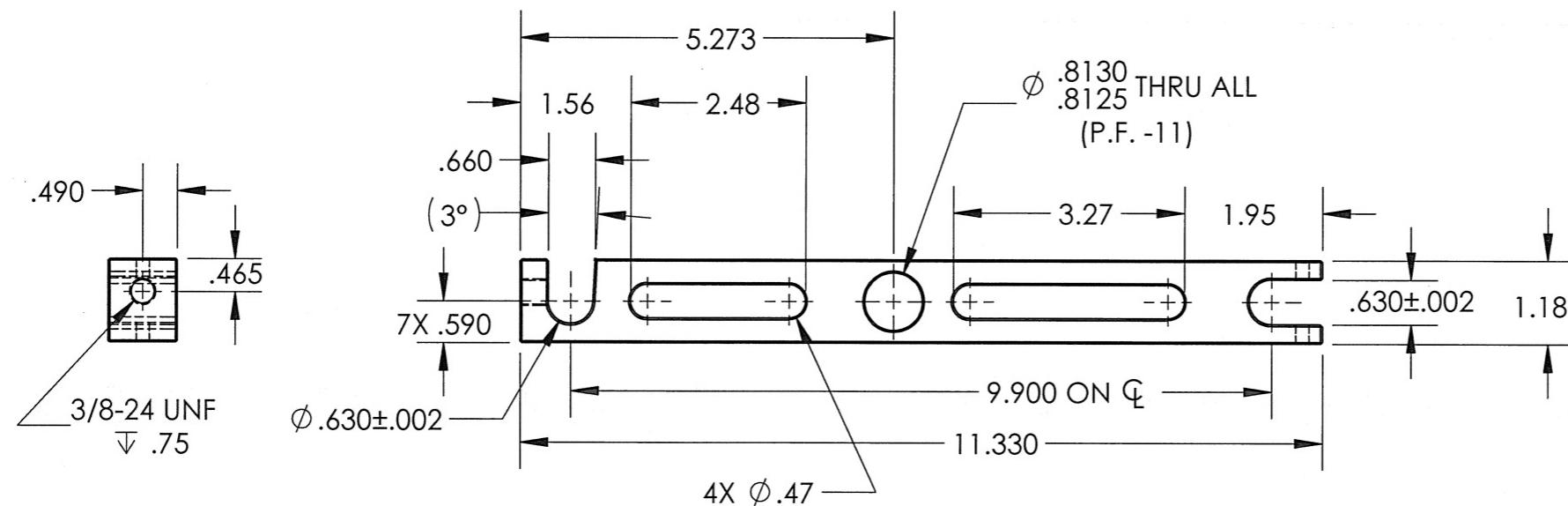
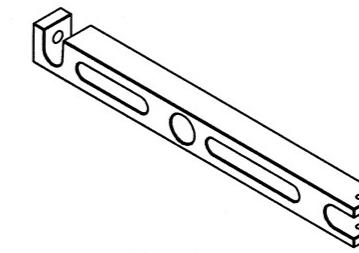


-1

TOP RAIL

DART AEROSPACE			
TITLE M/R DAMPER TOOL KIT			
DWG NO.	RBEL133M-6201-101-1		
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8		
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± .5°		
SPEC MIL-A-8625F, TYPE II, CLASS I	X ± .1 SURFACES = 125 ✓		
DRAWN BY: KPT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
CHECKED: VM	2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
QA APPR:	USED ON MODEL		
APPROVED:	EUROCOPTER		
SCALE 1:3	DATE 20/08/2019	SHEET 3 OF 14	

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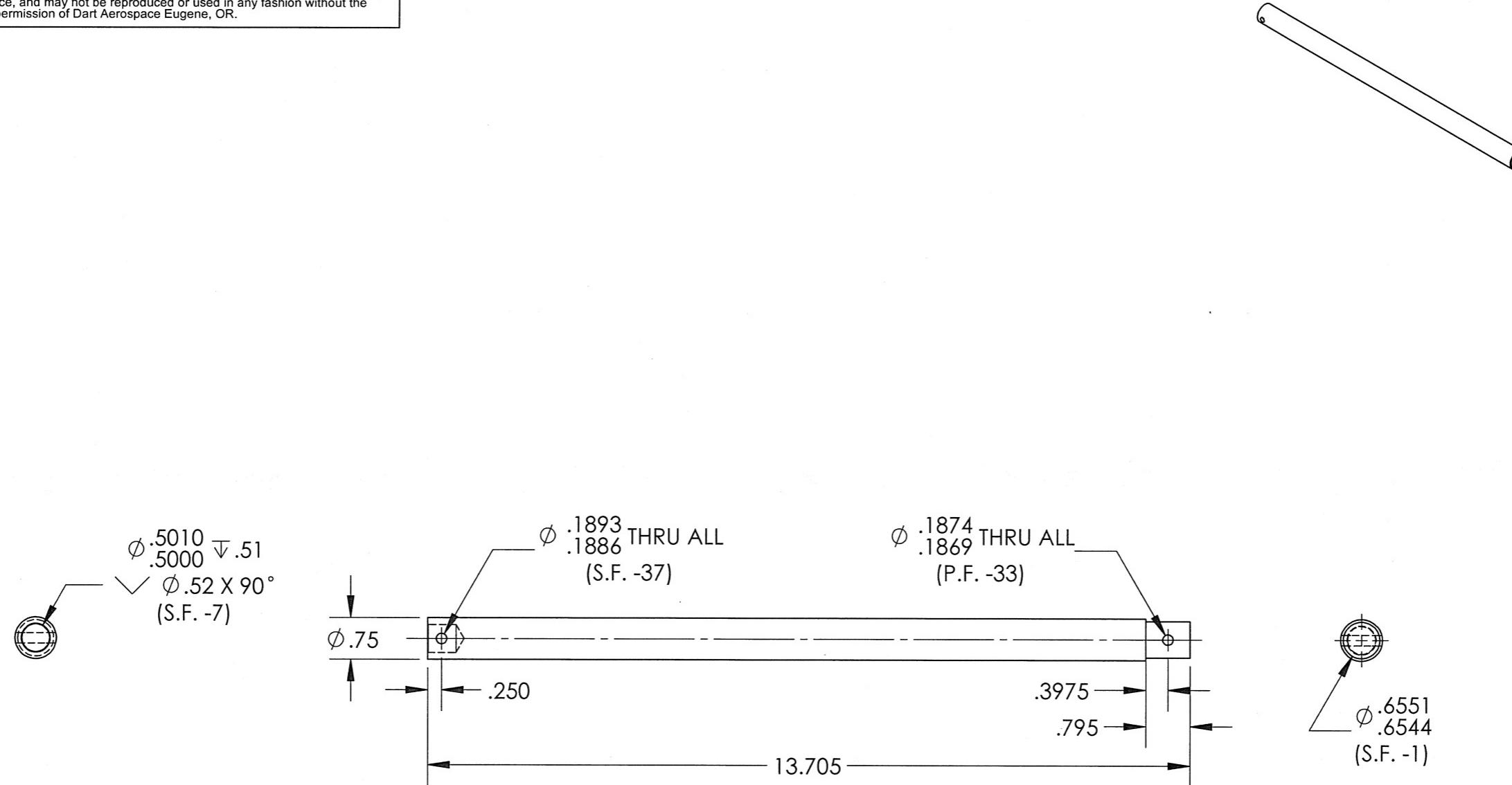


DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO.	RBEL133M-6201-101-3
REV	C
MAT'L 6061	
HEAT TREAT	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625F, TYPE II, CLASS I	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE	1:3
DATE	20/08/2019
SHEET 4 OF 14	

(-3)

BOTTOM RAIL

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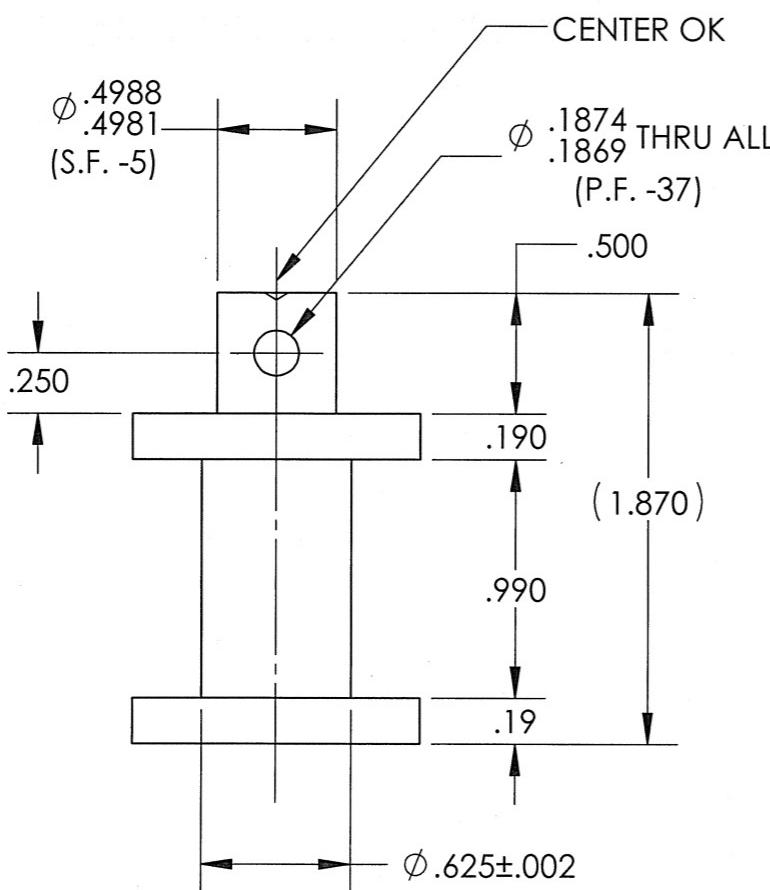
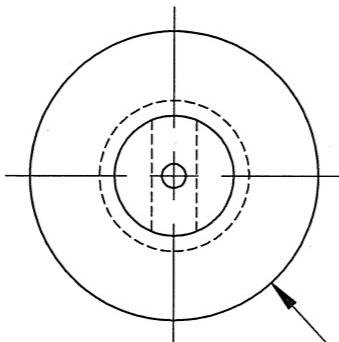
(-5)

ROD

DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO.	RBEL133M-6201-101-5
REV	C
MAT'L 6061	
HEAT TREAT	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625F, TYPE II, CLASS I	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:3	DATE 20/08/2019
SHEET 5 OF 14	

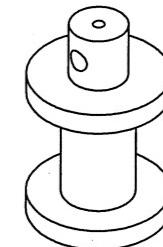
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125 ✓
1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

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(-7)

ROD END

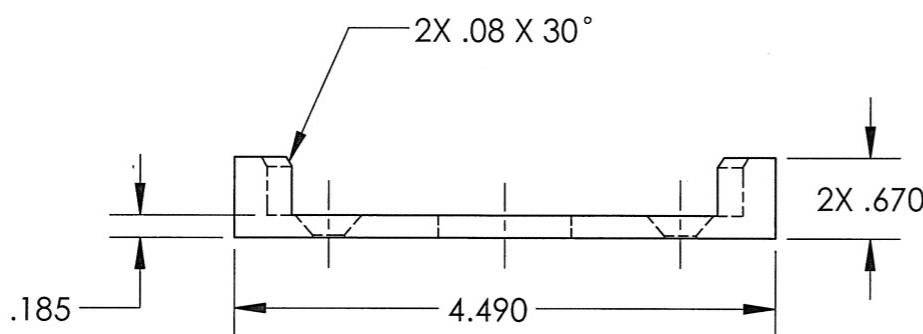
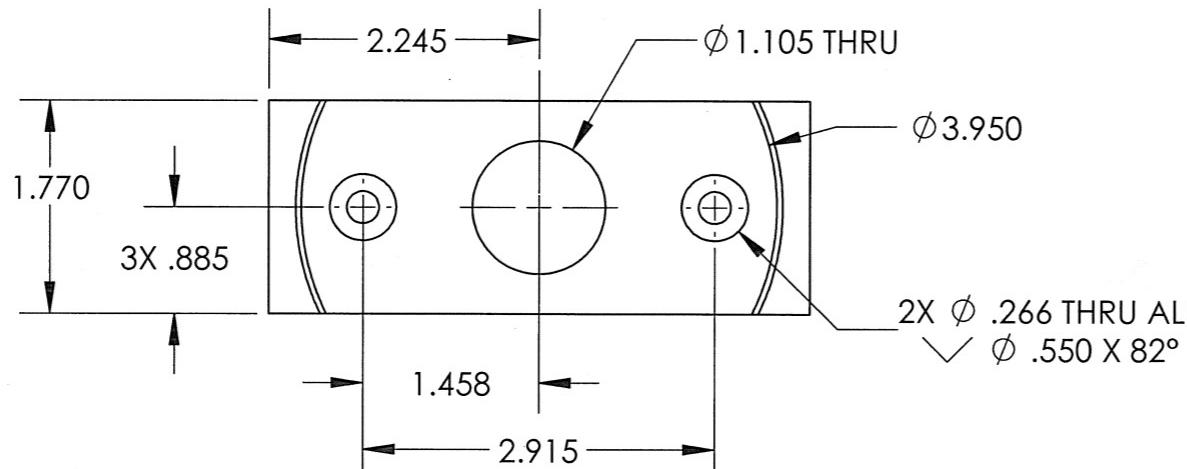
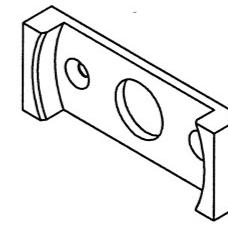


DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO.	RBEL133M-6201-101-7
REV	C
MAT'L 6061	
HEAT TREAT	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625F, TYPE II, CLASS I	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:1	DATE 20/08/2019
SHEET 6 OF 14	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

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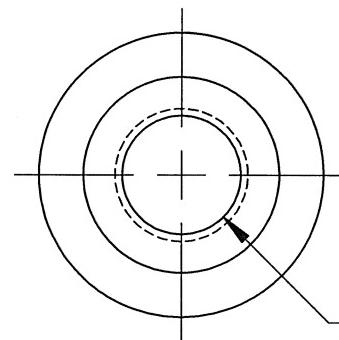
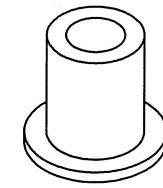


(-9)

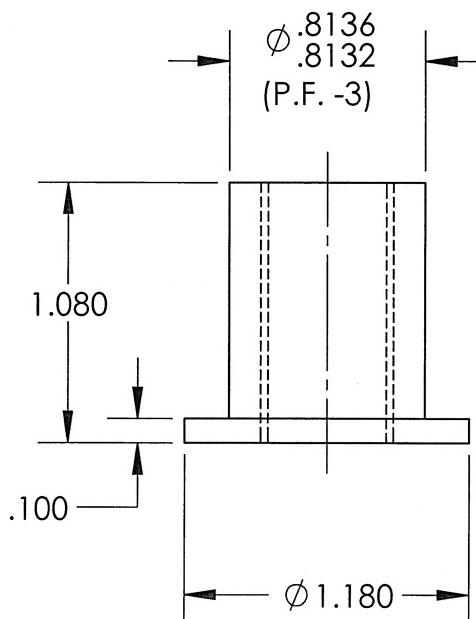
WEAR PAD

DART AEROSPACE	
TITLE	
DWG NO. RBEL133M-6201-101-9 REV C	
MAT'L WHITE DELRIN/ACETAL HEAT TREAT FINISH SPEC DRAWN BY: KPT CHECKED: VM OPPS APPR: QA APPR: APPROVED: SCALE 1:2 DATE 20/08/2019 SHEET 7 OF 14	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL EUROCOPTER	

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M14X1.5 - 6H THRU ALL



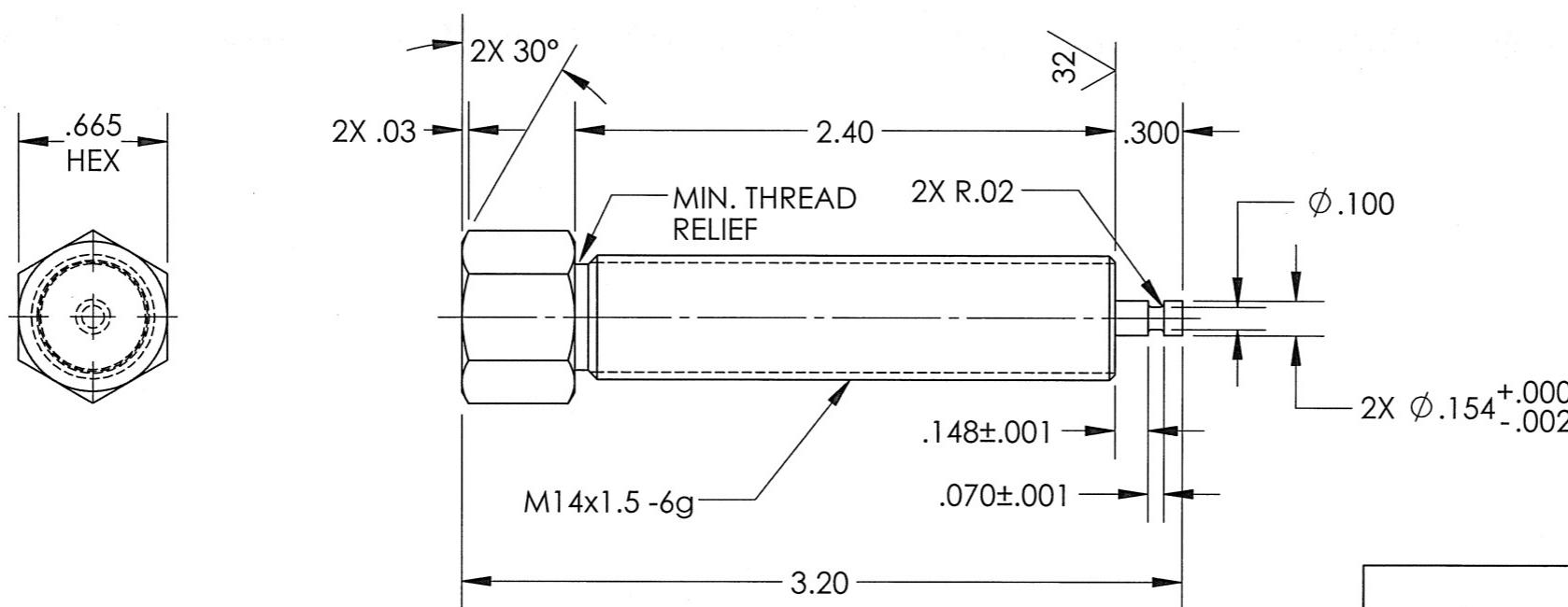
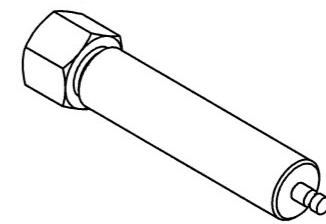
-11

BUSHING

DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO. RBEL133M-6201-101-11 REV C	
MAT'L 303 / 304	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT XXX $\pm .005$ FRACTIONS $\pm 1/8$	
TREAT XX $\pm .01$ ANGLES $\pm .5^\circ$	
FINISH X $\pm .1$ SURFACES = 125	
SPEC	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:1	DATE 20/08/2019
SHEET 8 OF 14	

ASME Y14.5M-2009

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-15

FORCING SCREW

DART
AEROSPACE

M/R DAMPER TOOL KIT

TITLE

RBEL133M-6201-101-15

REV
C

MAT'L 4140/4142

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

HEAT TREAT RC 28-34

XX ± .01 ANGLES ± .5°

FINISH BLACK OXIDE

X ± .1 SURFACES = 125

SPEC QMSI-6.2.2, B.O. REV D

✓

DRAWN BY: KPT

1. BREAK ALL SHARP EDGES

CHECKED: VM

.015 x 45° OR .015R

OPPS APPR:

2. DIMENSIONAL LIMITS APPLY

QA APPR:

AFTER PLATING

APPROVED:

3. INTERPRET DIM AND TOL PER

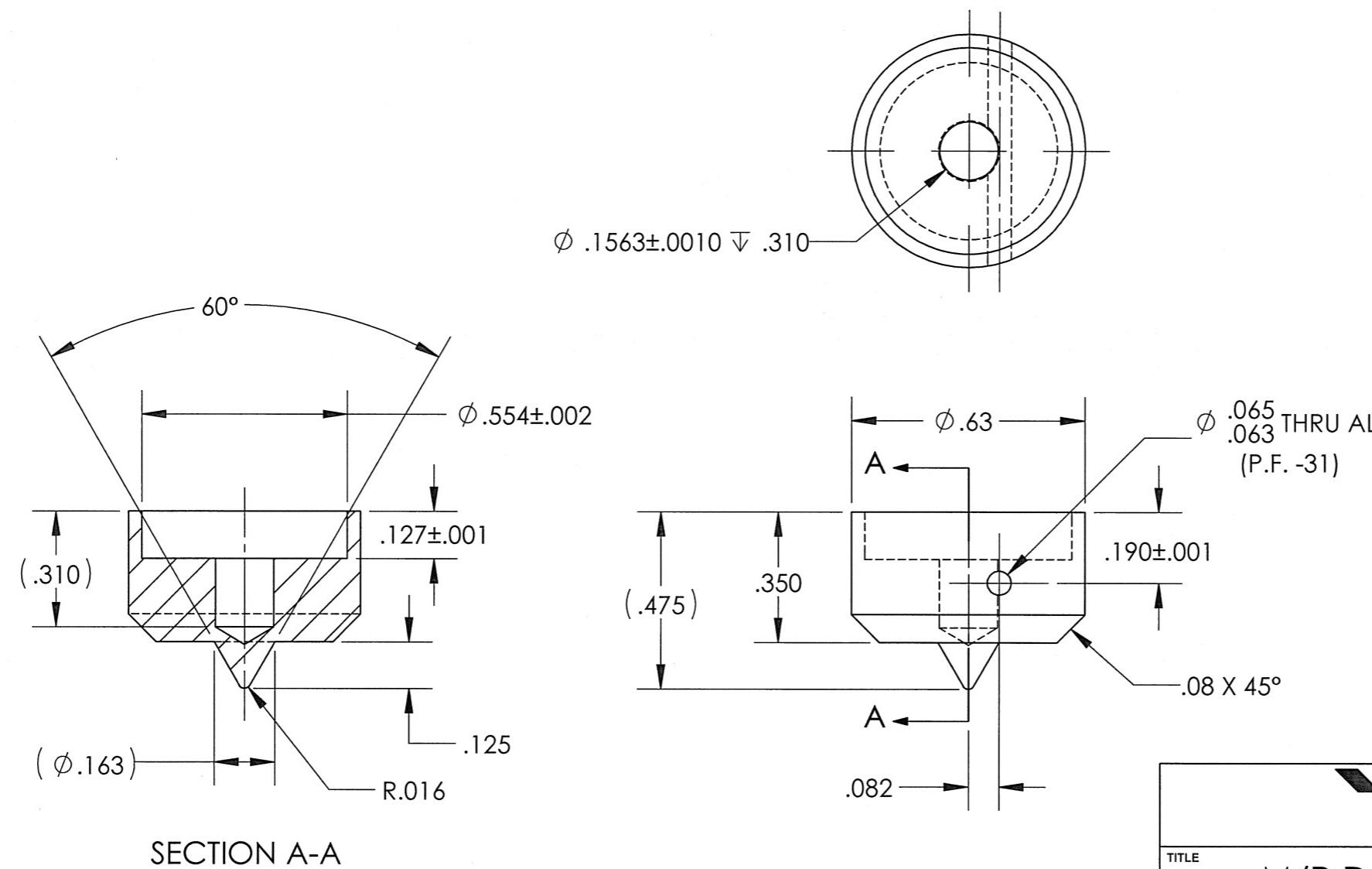
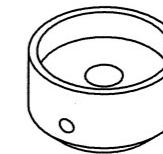
ASME Y14.5M-2009

USED ON MODEL

SCALE 1:1 DATE 20/08/2019 SHEET 9 OF 14

EUROCOPTER

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SECTION A-A

-17

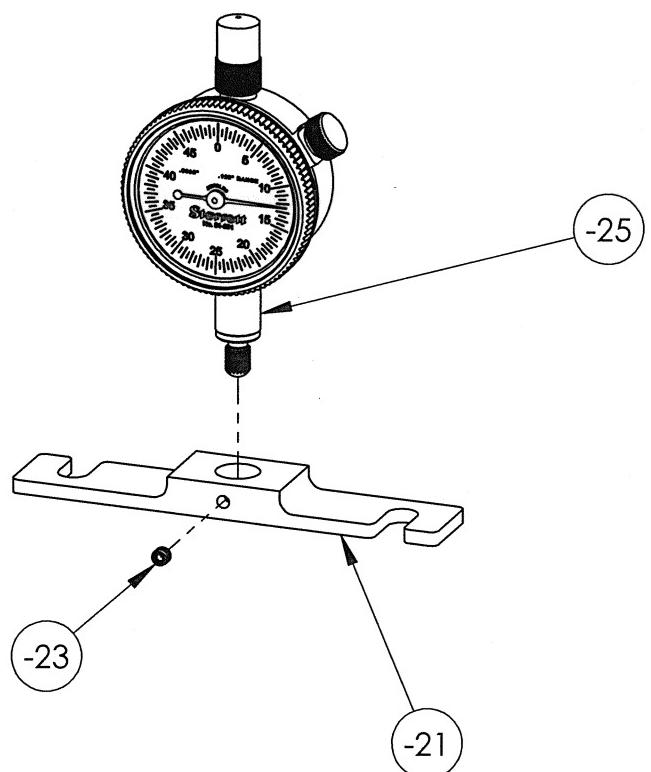
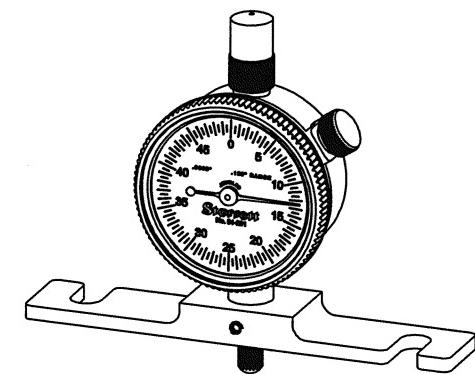
SCREW CAP

DART AEROSPACE	
TITLE	M/R DAMPER TOOL KIT
DWG NO.	RBEL133M-6201-101-17
REV	C
MAT'L 4140/4142	
HEAT TREAT RC 28-34	
FINISH BLACK OXIDE	
SPEC QMSI-6.2.2, B.O. REV D	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE	2:1
DATE	20/08/2019
SHEET 10 OF 14	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX $\pm .005$ FRACTIONS $\pm 1/8$
.XX $\pm .01$ ANGLES $\pm .5^\circ$
.X $\pm .1$ SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

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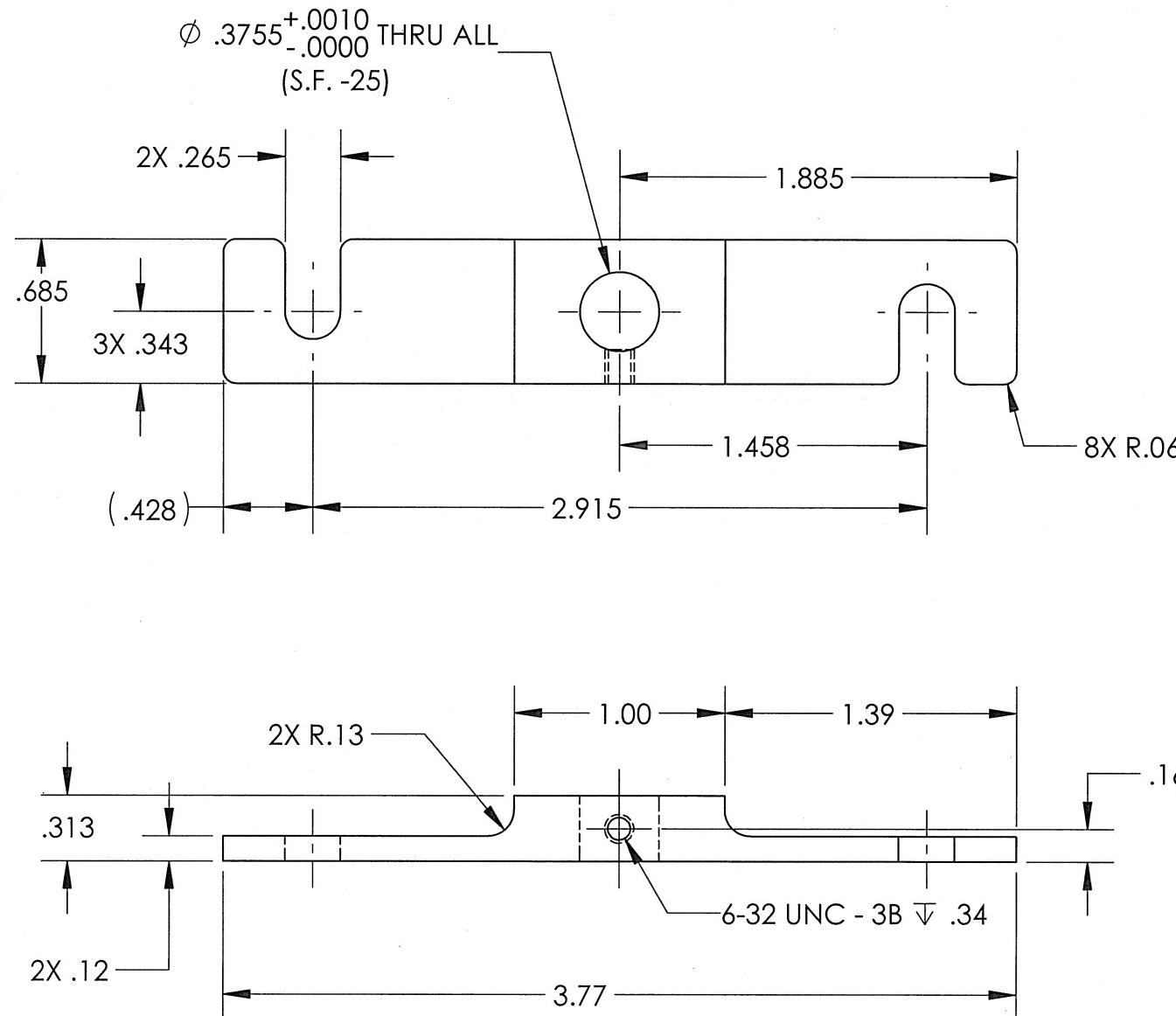
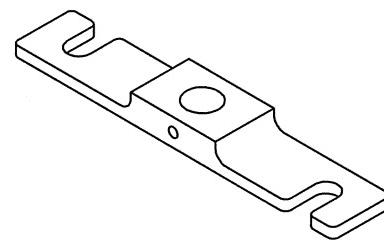


-19

DIAL INDICATOR ASSY

DART AEROSPACE	
TITLE	
DWG NO. RBEL133M-6201-101-19 REV C	
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	XX ± .01 ANGLES ± .5°
FINISH	X ± .1 SURFACES = 125
SPEC	
DRAWN BY: KPT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: VM	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:2	DATE 20/08/2019
SHEET 11 OF 14	

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(-21)

BASE

DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO.	REV C
RBEL133M-6201-101-21	
MAT'L 4140/4142	
HEAT TREAT RC 28-34	
FINISH BLACK OXIDE	
SPEC QMSI-6.2.2, B.O. REV D	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:1	DATE 20/08/2019
SHEET 12 OF 14	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± .5°

X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES

.015 x 45° OR .015R

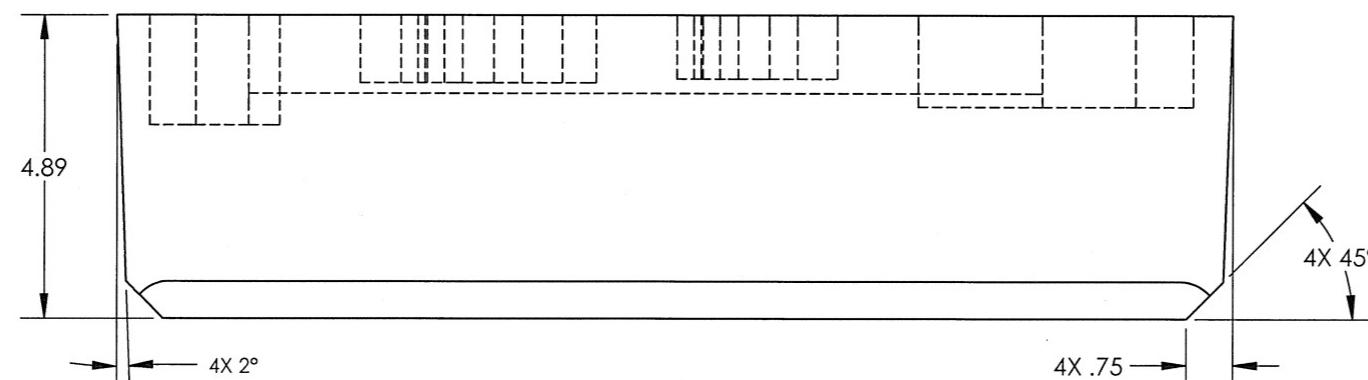
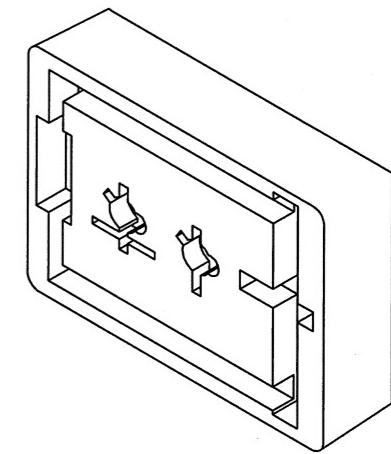
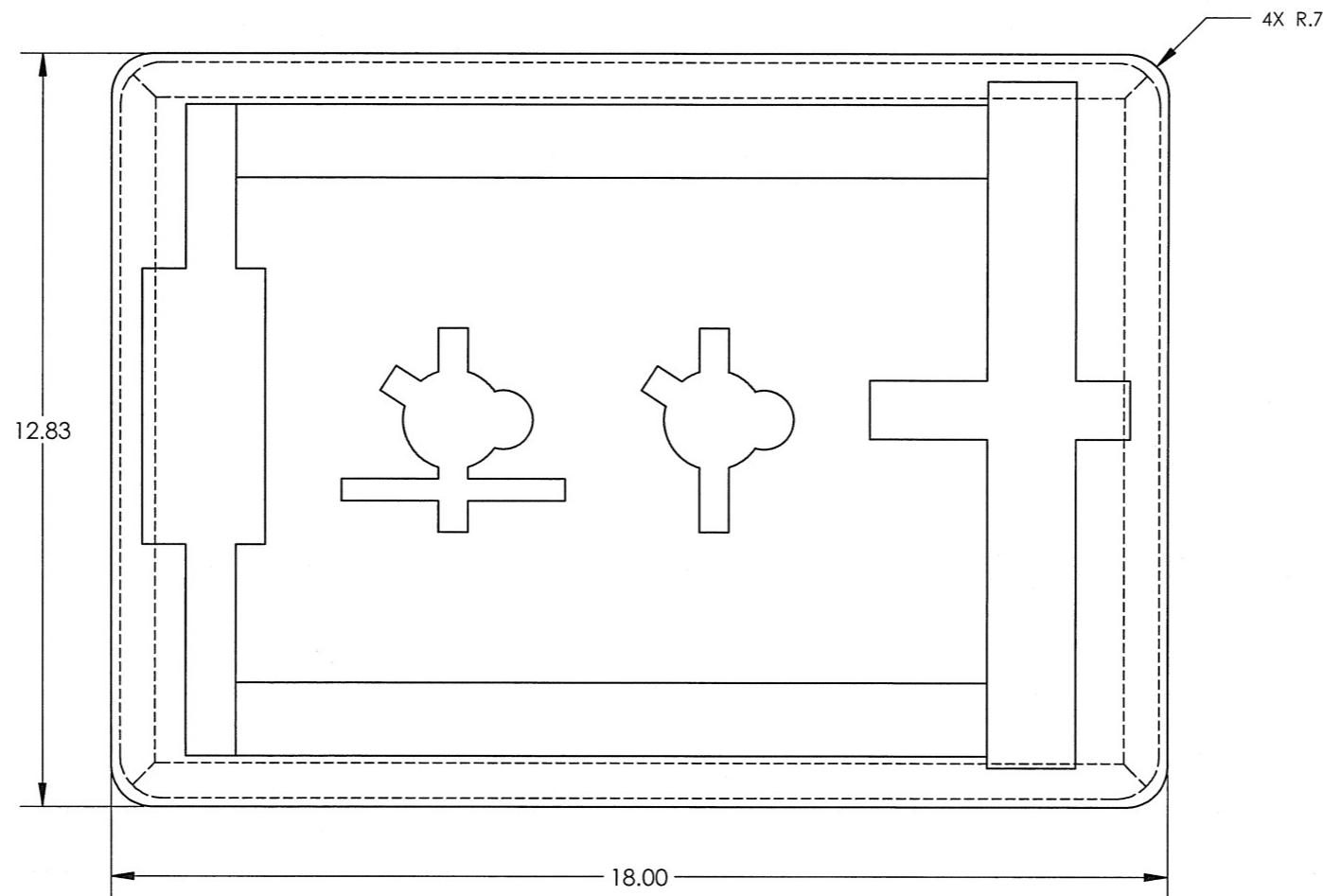
2. DIMENSIONAL LIMITS APPLY

AFTER PLATING

3. INTERPRET DIM AND TOL PER

ASME Y14.5M-2009

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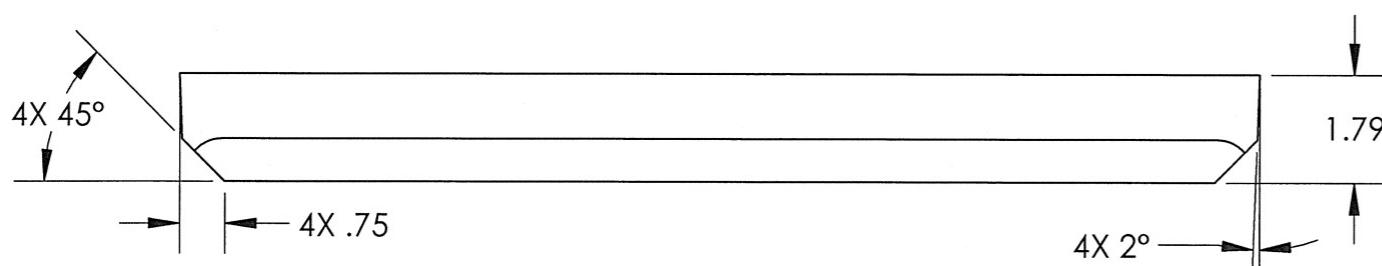
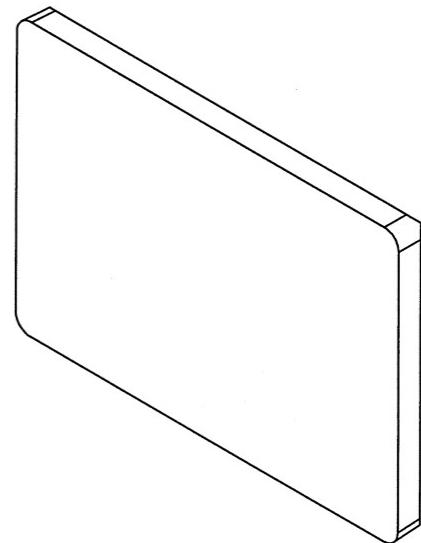
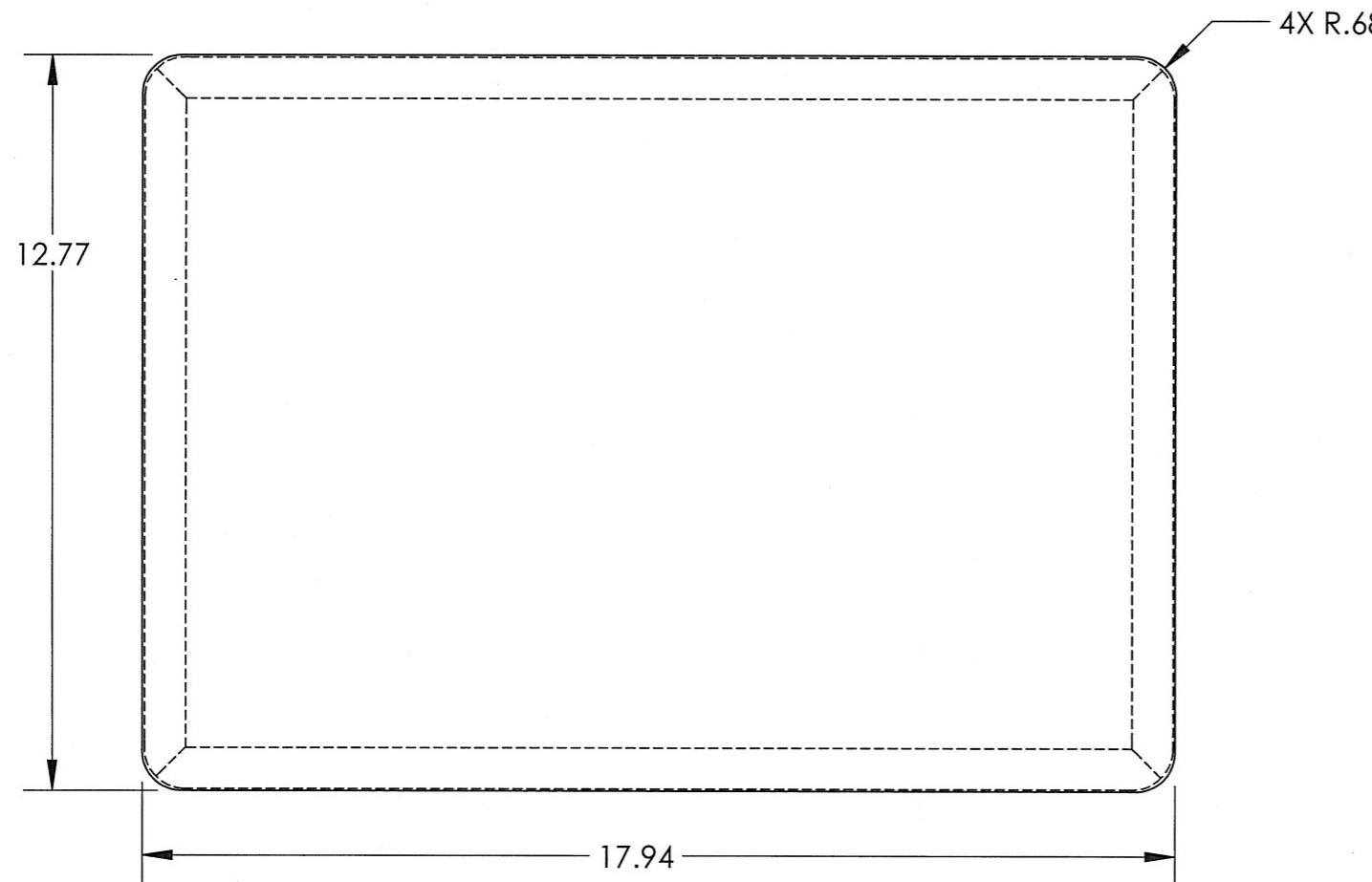


(-45)
BOTTOM TOOL CUSHION

NOTE:
ALL NON-DIMENSIONED FEATURES MUST
MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD
FILE RBEL133M-6201-101-45 REV. C.STEP

DART AEROSPACE	
TITLE M/R DAMPER TOOL KIT	
DWG NO. RBEL133M-6201-101-45 REV C	
MAT'L ETHAFOAM 220, BLACK UNLESS OTHERWISE SPECIFIED HEAT DIMENSIONS ARE IN INCHES TREAT XXX ± .010 FRACTIONS ± 1/8 FINISH XX ± .03 ANGLES ± 1° .XX ± .03 SURFACES = 125/ X ± .1	
SPEC 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: KPT	USED ON MODEL
CHECKED: VM	
OPPS APPR:	
QA APPR:	
APPROVED:	EUROCOPTER
SCALE 1:3	DATE 20/08/2019
SHEET 13 OF 14	

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TOP TOOL CUSHION

DART AEROSPACE	
TITLE	
M/R DAMPER TOOL KIT	
DWG NO. RBEL133M-6201-101-47 REV C	
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH .X ± .1 SURFACES = 125	
SPEC ✓	
DRAWN BY:	KPT
CHECKED:	VM
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	EUROCOPTER
SCALE 1:4	DATE 20/08/2019
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